



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 7

ATTORNEY DOCKET No.	APPLICATION No.
9919-000002/COC	10/668,708
APPLICANT	
John F. Austermann III	
FILING DATE	GROUP
September 23, 2003	2616

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1	/SH/	3,425,050	Jan-69	Tellerman et al	340/571	Oct-12-1965
2		3,659,277	Apr-72	Brown	340/870.2	Jun-18-1970
3		3,697,984	Oct-72	Atkinson et al	340/505	May-23-1969
4		3,836,901	Sep-74	Matto et al	340/522	Nov-30-1973
5		4,024,359	May-77	De Marco et al	379/22.02	Feb-11-1976
6		4,024,360	May-77	Biraghi et al	370/200	Feb-11-1976
7		4,063,220	Dec-77	Metcalfe et al	370/462	Mar-31-1975
8		4,173,714	Nov-76	Bloch et al	370/200	Jan-3-1977
9		4,293,948	Oct-81	Soderblom	370/424	Oct-29-1974
10		4,348,661	Sep-82	Lucchesi	340/510	Sep-26-1980
11		4,383,315	May-83	Torng	370/452	Jul-20-1981
12		4,454,477	Jun-84	Joffe	379/380	Apr-28-1982
13		4,464,658	Aug-84	Thelen	370/228	Mar-5-1982
14		4,479,228	Oct-84	Crane	375/219	Mar-11-1981
15		4,482,999	Nov-84	Janson et al	370/452	Dec-1-1981
16		4,524,349	Jun-85	Hyatt	340/500	Aug-9-1982
17		5,948,007	Sep-99	Choi et al	710/9	Oct-29-1997
18		6,384,755	May-08	Hayden	341/120	Apr-9-1999
19		4,551,671	Nov-85	Annunziata et al	324/539	Jun-23-1983
20		4,578,539	Mar-86	Townsing	379/106.11	Aug-10-1983
21		4,602,364	Jul-86	Herman et al	370/462	Apr-23-1984
22	/SH/	4,622,541	Nov-86	Stockdale	340/566	Jan-9-1984

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23	/SH/	4,633,217	Dec-86	Akano	340/310.15	May-22-1985
24		4,647,721	Mar-87	Busam et al	379/102.04	Mar-19-1985
25		4,647,912	Mar-87	Bates et al	370/463	Dec-20-1985
26		4,649,548	Mar-87	Crane	375/219	Sep-26-1983
27		4,658,242	Apr-87	Zeder	340/568.4	Jun-7-1985
28		4,685,129	Aug-87	Gavrilovich	379/324	Oct-2-1985
29		4,691,344	Aug-87	Brown et al	379/106.11	Jan-21-1986
30		4,701,630	Oct-87	Annunziata et al	307/112	Jun-27-1985
31		4,701,946	Oct-87	Oliva et al	379/102.04	Oct-23-1984
32		4,728,948	Mar-88	Fields	340/3.71	Nov-15-1985
33		4,733,389	Mar-88	Puvegol	370/200	Jul-28-1986
34		4,737,787	Apr-88	Ito et al	340/870.18	Oct-16-1986
35		4,755,922	Jul-88	Puvogel	363/21.16	Mar-26-1987
36		4,758,823	Jul-88	Berruyer et al	340/524	
37		4,766,386	Aug-88	Oliver et al	324/533	
38		4,862,158	Aug-89	Keller et al	370/439	
39		4,864,598	Sep-89	Lynch et al	379/22.02	
40		4,866,768	Sep-89	Sinberg	379/413	
41		4,882,728	Nov-89	Herman	370/254	Apr-7-1987
42		4,907,261	Mar-90	Chapman	379/234	Feb-8-1989
43	/SH/	4,918,688	Apr-90	Krause et al	370/257	Oct-31-1986

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44	/SH/	4,922,503	May-90	Leone	370/402	Oct-28-1988
45		4,935,926	Jun-90	Herman	370/401	Oct-10-1989
46		4,937,851	Jun-90	Lynch et al	379/24	Apr-28-1989
47		4,942,604	Jul-90	Smith et al	379/412	Jun-22-1988
48		4,953,055	Aug-90	Douhet et al	361/62	Sep-9-1988
49		4,958,371	Sep-90	Damoci et al	379/377	Apr-19-1988
50		4,961,222	Oct-90	Johansson et al	379/413	Aug-10-1989
51		4,980,913	Dec-90	Skret	713/153	Apr-19-1988
52		4,991,123	Feb-91	Casamassima	340/525	Jan-6-1989
53		4,998,275	Mar-91	Braunstien et al	379/164	Jul-7-1986
54		5,003,579	Mar-91	Jones	379/93.05	Sep-7-1989
55		5,020,100	May-91	Gardiner	379/379	Jul-7-1989
56		5,032,819	Jul-91	Sakuragi et al	375/257	Oct-17-1989
57		5,034,738	Jul-91	Ishihara et al.	370/258	Dec-15-1989
58		5,051,723	Sep-91	Long et al	340/566	Sep-29-1989
59		5,055,827	Oct-91	Phillip	340/568.4	Feb-20-1990
60		5,063,563	Nov-91	Ikeda et al	370/216	Sep-6-1990
61		5,089,974	Feb-92	Demeyer et al	340/3.41	Nov-2-1989
62		5,119,398	Jun-92	Webber Jr.	375/219	Oct-19-1989
63		5,124,982	Jun-92	Kaku	370/445	Feb-27-1990
64	/SH/	5,133,005	Jul-92	Kelly et al	379/146	Feb-15-1991

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
65	/SH/	5,144,544	Sep-92	Jenneve et al	363/49	Aug-30-1990
66		5,148,144	Sep-92	Sutterlin et al	455/402	Mar-28-1991
67		5,164,960	Nov-92	Wincn et al	375/224	Feb-15-1990
68		5,179,291	Jan-93	Nishikawa et al	307/139	Oct-2-1990
69		5,181,240	Jun-93	Sakuragi	379/93.36	May-8-1991
70		5,200,743	Apr-93	St. Martin et al	340/3.51	Jun-26-1991
71		5,226,120	Jul-93	Brown et al	709/224	May-21-1990
72		5,237,606	Aug-93	Ziermann	379/413	May-1-1991
73		5,249,183	Sep-93	Wong et al	370/228	Mar-14-1991
74		5,257,287	Oct-93	Blumenthal et al	375/292	Nov-30-1990
75		5,260,664	Nov-93	Graham	324/522	Jan-12-1993
76		5,278,888	Jan-94	Myllymaki	379/39	Apr-14-1992
77		5,289,359	Feb-94	Ziermann	363/21.11	Apr-16-1992
79		5,289,458	Feb-94	Taha	370/228	Mar-30-1992
79		5,289,461	Feb-94	de Nijs	370/360	Dec-14-1992
80		5,297,141	Mar-94	Marum	370/402	Dec-27-1991
81		5,311,114	May-94	Sambamurthy et al	370/296	Oct-27-1992
82		5,311,518	May-94	Takato et al	370/359	Apr-12-1991
83		5,333,192	Jul-94	McGinn	379/413.04	Jun-7-1991
84		5,347,225	Sep-94	Graham	324/523	Mar-10-1994
85	/SH/	5,365,515	Nov-94	Graham	370/252	Apr-28-1994

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
86	/SH/	5,396,555	Mar-95	Shibata	379/412	Mar-17-1992
87		5,414,708	May-95	Webber	370/445	Dec-1-1992
88		5,414,709	May-95	Baze	370/258	Apr-5-1994
89		5,469,437	Nov-95	Runalduie	370/445	Jun-12-1992
90		5,477,091	Dec-95	Fiorina et al	307/66	Nov-4-1992
91		5,485,488	Jan-96	Van Brunt et al	375/257	Mar-29-1994
92		5,497,460	Mar-96	Bailey	714/39	Jun-20-1994
93		5,764,647	Jun-98	Riley	370/489	Nov-30-1995
94		5,799,194	Aug-98	Allen	713/320	Sep-28-1995
95		5,854,824	Dec-98	Bengal	379/32.04	Aug-30-1995
96		5,991,885	Nov-99	Chang et al	713/300	Jun-11-1997
97		5,994,998	Nov-99	Fisher et al	375/258	May-29-1997
99		6,000,003	Dec-99	Allen	713/320	Sep-19-1996
99		6,115,468	Sep-00	De Nicolo	379/413	Mar-26-1998
100		6,125,448	Sep-00	Schwan et al	713/300	May-2-1997
101		6,140,911	Oct-00	Fisher et al	375/258	Oct-12-1999
102		6,147,601	Nov-00	Sandelman et al	340/506	May-24-1999
103		6,147,963	Nov-00	Walker et al	370/200	Jul-11-1997
104		6,169,475	Jan-01	Browning	340/286.02	Mar-30-1998
105		6,218,930	Apr-01	Katzenberg et al	370/200	Mar-10-1999
106	/SH/	6,272,552	Aug-01	Melvin et al	709/250	Sep-24-1998

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## U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
107	/SH/	6,295,356 B1	Sep-01	De Nicolo	379/413	Mar-26-1998
108		6,348,874	Feb-02	Cole et al	340/825.01	Oct-14-1998
109		6,373,851	Apr-02	Dadario	370/445	Jul-23-1998
110		6,473,608 B1	Oct-02	Lehr et al	455/402	Aug-2-1999
111		6,504,825	Jan-03	Atkins et al	370/254	Mar-18-1999
112		6,522,151	Feb-03	Armistead et al	324/538	Aug-5-1998
113		6,643,566	Nov-03	Lehr et al	700/286	Apr-16-1999
114		6,658,108	Dec-03	Bissell et al	379/413	Apr-9-1999
115	/SH/	Re. 33,807	Jan-92	Abel et al	340/500	Feb-9-87

## FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1	/SH/	0 357 482 B1	Mar-90	Europe	G 08 B 13/14	Abstract	
2	/SH/	42 03 304 A1	Aug-92	Germany	G 08 B 13/22	Abstract	
3	/SH/	0 415 312 A1	Mar-91	Europe	H04M 19/08	Abstract	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.	/SH/	IEEE, "Twisted-Pair Medium Attachment Unit (MAU) and Baseband Medium, Type 10BASE-T" IEEE Std. 802.3i-1990 (section 14) (1990)

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
2.	/SH/	IEEE, "Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T (Clauses 21-30)" IEEE Std. 802.3u-1995
3.	/SH/	IEEE, "Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer and baseband medium, type 1000BASE-T" IEEE Std 802.3ab-1999
4.	/SH/	EIA/TIA 568 Standard, "Commercial Building Telecommunications Wiring Standard", July 1991
5.	/SH/	EIA/TIA Bulletin, TSB-36, "Technical Systems Bulletin Additional Cable Specifications for Unshielded Twisted Pair Cables", November 1991
6.	/SH/	EIA/TIA Bulletin, TSB40, "Additional Transmission Specifications for Unshielded Twisted Pair Connecting Hardware", August 1992

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